

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims:

1. (Currently Amended) A method for the anodic alkoxylation of an organic compound comprising alkoxylation wherein a mixture containing the organic compound and a primary alcohol with 1-4 C atoms ~~is alkoxyated~~ in an unpartitioned electrolytic cell in the presence of a supporting electrolyte salt that is soluble in the mixture but in the absence of a solid polymer electrolyte at an effective cell voltage on an oxidation-resistant anode, ~~characterized in that and carrying out~~ the anodic alkoxylation ~~is carried out~~ in the absence of a mediator, using a diamond film anode or a gold anode.
2. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein an organic compound selected from the group consisting of the series of cyclic ethers, N-substituted amides, carbonyl compounds, ~~in particular ketones~~, alkyl aromatic hydrocarbons and alkyl heteroaromatic hydrocarbons are anodically alkoxyated.
3. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein a cyclic ether ~~of the series~~ selected from the group consisting of furans, dihydrofurans, and tetrahydrofurans, 1,2-pyrans, and 1,4-pyrans and the di- and tetrahydro compounds thereof, and 1,4-pyrones and the di- and tetrahydro compounds thereof is methoxylated or ethoxylated, ~~preferably methoxylated~~, with at least one C atom bound to the ether oxygen atom in the hydrogenated furans, pyrans and pyrones having a hydrogen atom.
4. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein an amide ~~of the series~~ selected from the group consisting of lactams with 5-7 ring members, ~~[[of]]~~ N-acylated saturated and unsaturated N-heterocyclic compounds and ~~[[of]]~~ open-chain N-alkyl

or N,N-diallyl fatty acid amides is methoxylated or ethoxylated, preferably methoxylated, with a carbon atom bound to the nitrogen having at least one hydrogen atom.

5. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein a ketone with a methyl group or methylene group bound to the carbonyl C atom is methoxylated or ethoxylated, ~~preferably methoxylated~~.

6. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein the alkoxylation is carried out in the alcohol ~~[[--]]~~ that corresponds to the alkoxy group~~[[--]]~~ as the solvent and ~~that the supporting electrolyte salt used is a tetraalkyl ammonium salt, the anion of which is selected from the series group consisting of~~ ClO₄⁻, BF₄⁻, PF₆⁻, SbF₆⁻, R-SO₃⁻ and R-SO₄⁻, wherein R stands for alkyl which can also be halogenated ~~and denotes in particular CF₃-, CCl₃- or CF₃CH₂-~~.

7. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein the anodic alkoxylation is carried out at a voltage in a range from 1-50 V, ~~in particular in a range from 5-25 V~~.

8. (Currently Amended) The method as in Claim 1, ~~characterized in that~~ wherein the supporting electrolyte salt is used in a quantity of 0.1-5 wt%, ~~preferably 0.3-3 wt%~~, relative to the organic compound that is to be alkoxyated.

9. (New) The method as in Claim 2, wherein the carbonyl compound is a ketone.

10. (New) The method as in Claim 3, wherein the organic compound is methoxylated.

11. (New) The method as in Claim 4, wherein the organic compound is methoxylated.

12. (New) The method as in Claim 5, wherein the organic compound is methoxylated.

13. (New) The method as in Claim 6, wherein the alkyl that is halogenated is selected from the group consisting of CF₃-, CCl₃-, and CF₃CH₂-.

14. (New) The method as in Claim 7, wherein the voltage is in the range of from 5 to 25 V.
15. (New) The method as in Claim 8, wherein the quantity of electrolyte salt is 0.3 – 3 wt%.